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C2 means for obtaining a dispersion in pulse-width modulation of said plurality of laser driving signals and correcting said plurality of laser driving signals according to this dispersion.

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14. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning with a plurality of laser beams having different phases for printing image data;

B2 wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for modulating the pulse-width of said image data with a pulse-width determined by a combination of a plurality of delay elements for each beam and outputting the pulses as print data from said pulse generating means, to said printer engine; and

a pulse-width corrector which compares the pulse-widths output from said plurality of pulse generating means by the reference pulse-width and corrects pulse-widths by a combination of said delay elements in said plurality of pulse generating means according to pulse-width differences.

15. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning a photosensitive unit by a plurality of laser beams having different phases for printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for setting a pulse-width by a combination of a plurality of delay elements, modulating the pulse-width of said image data with said preset pulse-

width, and outputting the result print data to said printer engine;

synchronization limiting means for synchronizing the pulse width modulation with said plurality of pulse generating means; and

a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width in synchronization.

16. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning a photosensitive unit by a plurality of laser beams having different phases for printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for setting a pulse-width by a combination of a plurality of delay elements, modulating the pulse-width of said image data with said preset pulse-width, and outputting the result as print data to said printer engine,

synchronization limiting means for synchronizing the pulse width modulation with said plurality of pulse generating means, and

a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means with a pulse width selected (as a reference pulse-width) from pulses output from said plurality of pulse generating means in synchronization so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width.

17. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning a photosensitive unit by a plurality of laser beams having different phases for printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for setting a pulse-width by a combination of a plurality of delay elements, modulating the pulse-width of said image data with said preset pulse-width, and outputting the result as print data to said printer engine;

synchronization limiting means for synchronizing the pulse width modulation with said plurality of pulse generating means;

correction image data generating means for giving image data for correction to said plurality of pulse generating means in synchronization of said plurality of pulse generating means; and

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a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means with a pulse width selected as a reference pulse-width from pulses output from said plurality of pulse generating means in synchronization so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width.

18. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine having a beam detector for detecting a plurality of laser beams which are emitted at preset time intervals from laser sources, scanning a photosensitive unit with said plurality of laser beams, and thus printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse

generating means for modulating the pulse-width of said image data with a pulse-width set by a plurality of serially-connected delay elements and outputting the modulated pulses to said printer engine;

printer interface means for generating image clocks in synchronism of beam detection signals output from said beam detector;

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pixel clock selecting means for selecting said pixel clock in pulse-width correction and outputting the selected clock to said plurality of pulse generating means to synchronize pulse-width modulation with said plurality of pulse generating means; and

a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width.

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